

CLAIMS

What is claimed is:

1. A cable system having an RF module coupled to provide bi-directional communication between drop interface and a home interface;

said RF module having upstream and downstream paths;

at least the downstream path having filters; and

a controller for selectively providing unimpeded; partially impeded and full cut off of cable service in the downstream path.
2. The cable system of claim 1 wherein relays in the downstream path are operated by the controller to obtain unimpeded, partially impeded and fully cut off cable service.
3. The cable system of claim 2 wherein a filter for impeding frequencies above a given frequency is selectively coupled into the downstream path by said relays to pass only frequencies below said given frequency.
4. The cable system of claim 2 wherein the controller operates said relays to provide an open circuit in the downstream path to fully cut off cable service in the downstream path.
5. The cable system of claim 2 wherein the downstream path is provided with a bypass conductor selectively coupled in the downstream path to provide unimpeded cable service to the subscriber.

6. The cable system of claim 1 further comprising:

an adjustable amplifier in the downstream path operated by said controller for providing signal amplification to compensate for insertion loss.

7. A cable system having an RF module coupled to provide bi-directional communication between a drop interface and a home interface;

said RF module having upstream and downstream paths;

at least the upstream having filters; and

a controller for selectively providing unimpeded partially impeded and full cut off of cable service in the upstream path.

8. The cable system of claim 7 wherein relays in the upstream path are operated by the controller to obtain unimpeded, partially impeded and full cut off cable service in the upstream path.

9. The cable system of claim 6 wherein a filter for impeding frequencies below a first frequency and above second higher frequency is selectively coupled into the downstream path by said relays to pass only frequencies between said first and second frequencies.

10. The cable system of claim 8 wherein the controller operates said relays to provide an open circuit in the upstream path to fully cut off cable service in the upstream path.

11. The cable system of claim 8 wherein the upstream path is provided with a high pass filter selectively coupled in the upstream path to provide unimpeded cable service in the

upstream path.

12. The cable system of claim 7 further comprising an adjustable amplifier in the upstream path operated by the controller to provide power equalization to limit ingress noise in the upstream path.

13. A cable system have an RF module coupled to provide bi-directional communication between a drop interface and a home interface;

said RF module having upstream and downstream paths;

each path having filters; and

a controller for selectively providing unimpeded, partially impeded and fully cut off cable service in the upstream and downstream paths.

14. The cable system of claim 13 wherein relays in the upstream and the downstream paths are operated by the controller to selectively obtain unimpeded, partially impeded and fully cut off cable service.

15. The cable system of claim 14 wherein a filter for impeding frequencies below a first frequency and above a second frequency is selectively coupled into the upstream path by said relays to pass only frequencies between said first and second frequencies.

16. The system of claim 13 wherein the controller operates said relays to selectively provide an open circuit in the upstream and downstream paths to fully cut off cable service in the upstream and downstream paths.

17. The cable system of claim 13 wherein the upstream path is provided with a bypass conductor selectively coupled in the upstream path to provide unimpeded cable service in the upstream path.

18. The cable system of claim 15 wherein the upstream path is provided with an amplifier controlled by a cable modem to provide power equalization to limit ingress noise from the home interface.

19. The cable system of claim 15 wherein the downstream path provided with an amplifier controlled by a cable modem to avoid excessive insertion loss.

20. A cable system comprising:
a cable modem;
a splitter providing a pass-through path between a drop interface and a home interface and for coupling the cable modem to the drop interface;
said pass-through path being divided into forward and return paths;
said forward and return paths having filters for cutting off selected frequencies to selectively control the provision of cable service in said paths.

21. A cable system according to claim 20 further comprising relays in said forward and return paths under control of the cable modem for selectively controlling the unimpeded, partially impeded, and fully impeded cable service in said forward and return paths.